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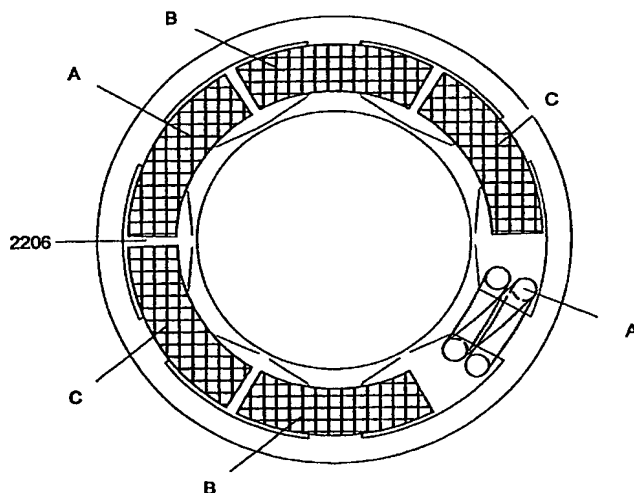
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- (71) Applicant (for all designated States except US): **WEATHERFORD/LAMB, INC.** [US/US]; 515 Post Oak Blvd., Suite 600, Houston, TX 77027 (US).
- (71) Applicant (for IS only): **HARDING, Richard, Patrick** [GB/GB]; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford Oxfordshire OX4 2RU (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **YURATICH, Michael, Andrew** [US/GB]; 14 Old Priory Close, Hamble Hampshire SO31 4QP (GB).
- (74) Agent: **HARDING, Richard Patrick**; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford Oxfordshire OX4 2RU (GB).
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(54) Title: ELECTRIC SUBMERSIBLE PUMPS



(57) Abstract: A downhole electric motor for a submersible pump has at least three phases and comprises a permanent magnet rotor and a stator bearing phase windings A, B and C in slots(2206) in the stator. Each phase winding A, B, C incorporates a coil extending through a respective pair of adjacent stator slots (2206) and surrounds a respective portion of the stator between the slots (2206). Furthermore adjacent coils of each pair of phase windings A, B, C extend through opposite parts of a respective one of the slots (2206), so that these coils extend alongside one another in the slot, either being separated by a gap through which cooling fluid may be pumped to cool the coils, or being separated by a thermally conductive projection (3110), with which the coils are in thermal contact, extending at least part of the way across the slot. Such a winding arrangement is advantageous in ensuring that the motor has a long life.

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